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AUTHOR Williams, James W.; Bunner, Gary N.
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ABSTRACT

This study of characteristics of black students from predominately black colleges asks: What are the grade-point averages of all students by department? What are the scores on national tests by department, sex, transfer vs. nontransfer and overall? What are the number of semester hours completed for each student by department and how did it compare with the minimum requirements? What, if any, relationship exists between some of the selected variables? Conclusions drawn from the data are: (1) students with higher ACT scores tend to achieve higher NTE scores; (2) students with higher GPA's tend to achieve higher NTE scores; (3) the mean number of hours for graduation appears to be high in some areas; (4) a high percentage of graduates attended one or more summer school sessions; (5) transfer students tend to take more hours; and (6) most departmental minimum hourly requirements exceed the institutional minimum of 124. (Author/KE)

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CLASS OF 1975: SELECTED STUDENT CHARACTERISTICS FROM A PREDOMINATELY BLACK COLLEGE

By
James W. Williams & Gary N. Bunner

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April, 1976

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INTRODUCTION

This report is not intended to be a statement of anything other than the facts as they were found. Interpretation of these facts is primarily left to the reader. The editorial notes that accompany the tables and the concluding remarks are the professional interpretations of the authors. The concluding remarks are intended to point out some of the more obvious conclusions that can be made from the data and to cite some points that should be considered in the interpretation of the data.

The characteristics of students are assumed to be generally known. Most college officials could recite the characteristics of their clientele with some degree of validity. However, the accuracy of these recitations would vary considerably within any given school. This study was initiated partly because of the apparent need for consistency in information about students. Some of the questions this study attempted to answer were: (1) what were the grade point averages of all students and by departments? (2) what were the scores on national tests by departments, sex, transfer vs non-transfer and overall? (3) what were the number of semester hours completed for each student by department and how did it compare with the minimum requirements? (4) what, if any, relationship exist between some of the selected variables?

It is the authors sincere hope that this study will provide additional information for policy making decisions.

METHODOLOGY

The names of the 1975 graduates were obtained from a list furnished by the Registrar's Office. Data were collected for each of these students using all available sources. Incomplete data in a few areas may result in some inconsistencies when comparing totals for the various variables. This fact was considered when making comparisons and it was determined that the differences which resulted to do not significantly affect the results.

The data were analyzed by utilizing simple data description, cross tabulation and cross tabulation with variable stacking.

TABLE I

COMPARISON OF SELECTED CHARACTERISTICS
GRADUATES BY MAJOR

Department	GPA	R	ACT	R	Total Hours	R	NTE Area	R	NTE Common	R	NTE Composite	R
All Students	2.63		11.72		142.88		440.67		383.31		837.02	
Agriculture*	2.51	15	10.33	16	145.90	4	437.90	7	353.03	7	806.71	9
Biology	2.72	8	13.29	4	145.44	7	498.33	2	436.29	1	926.50	1
Business Admin.	2.55	13	13.24	5	137.77	16		N/A		N/A	N/A	
Business Educa.	2.74	7	12.00	8	149.96	2	503.57	1	402.36	4	905.85	2
Chemistry	2.94	3	15.20	1	139.64	14	420.00	10	360.00	11	780.00	12
Elementary Educa.	2.47	16	9.93	18	140.04	13	417.60	11	372.86	9	792.74	10
English	2.77	6	12.43	7	141.81	12	433.12	8	435.12	2	867.94	3
Health & Phy. Ed.	2.43	17	10.67	15	142.14	11	431.61	9	348.29	12	779.90	13
Home Economics	2.53	14	12.00	8	137.00	18		N/A		N/A	N/A	
Home Eco. Educa.	2.88	4	11.90	10	142.75	10	459.99	5	410.46	3	867.36	4
Industrial Arts	2.34	18	11.45	11	145.46	6	462.14	4	371.83	10	845.33	6
Mathematics	3.02	1	14.00	3	138.57	15	466.67	3	386.00	7	852.67	5
Music	2.69	9	12.67	6	147.57	3	400.00	13	380.75	8	780.75	11
Political Science	2.99	2	15.15	2	143.06	9		N/A		N/A	N/A	
Social Science	2.63	11	11.41	12	151.47	1	453.71	6	391.29	6	845.00	7
Sociology	2.65	10	10.86	14	145.68	5		N/A		N/A	N/A	
Special Educa.	2.83	5	11.24	13	143.29	8	413.75	12	393.75	5	811.67	8
Technical Educa.	2.56	12	10.00	17	137.63	17		N/A		N/A	N/A	

R = Rank

*There is no NTE Area Exam for Agriculture. The scores shown are from the Biology Area Exam. The State Certification score for Agriculture is 405 on the Commons Exam.

NOTE: The comparisons made here are designed to show departmental rankings for selected variables. The number of students within the various groups must be considered when attempting to make any interpretation of the data. See Tables V through XXII for the number of students by variables and department.

TABLE II

SELECTED CHARACTERISTICS OF ALL 1975 GRADUATES AND A COMPARISON OF THE CHARACTERISTICS BY SEX OF THE GRADUATE

Variables	All Students				Male				Female			
	N	$\bar{X}$	Range	S.D.	N	$\bar{X}$	Range	S.D.	N	$\bar{X}$	Range	S.D.
GPA	489	2.6[illegible]	2.00-3.82	.42	182	2.53	2.00-3.74	.37	305	2.68	2.00-3.82	.43
ACT	319	11.72	4-23	3.40	115	11.74	3-20	3.22	204	11.71	4-23	3.51
NTE Area	256	440.67	270-620	62.69	63	436.85	300-620	55.04	193	441.92	270-610	65.07
NTE Common	270	383.31	212-572	63.51	75	363.28	212-568	65.51	195	391.02	245-572	61.17
NTE Composite	254	827.02	604-1164	109.89	60	811.05	604-1164	106.12	194	831.97	630-1139	110.84
Reg. Sem. Comp.	489	7.08	3-12	1.63	182	7.63	3-11	1.61	305	6.75	3-12	1.55
Total Sem. Hr. Comp.	489	142.71	125-184	N/A	182	145.07	125-165	N/A	305	141.30	122-184	N/A
Hrs. at Previous School	105	61.43	5-84	15.26	30	60.23	5-84	18.87	75	61.91	12-80	13.62
Sum. Sess. Comp.	403	3.15	1-8	1.65	134	2.90	1-8	1.66	271	3.26	1-8	1.63
Sum. Hrs. Comp.	403	18.29	3-50	9.95	134	16.86	3-45	10.19	271	18.94	3-50	9.77

Note: This table shows the characteristics of graduates by total and sex. Males were found to be significantly lower than females on the variables of GPA, NTE Commons, and NTE Composite. They also attend significantly fewer summer sessions. Achievement differences should be noted as there was no significant difference in ACT score levels of the two groups. The difference in NTE Scores may be accounted for by looking at the percent of male vs female students taking the NTE. Approximately 1/3 of the males took the NTE as opposed to roughly 2/3 of the females. The male oriented areas such as Agriculture, Health & Physical Education, and Industrial Arts were 15th, 17th and 18th in GPA rankings. This may be a function of the students or the departmental grading policies.

TABLE III

COMPARISON OF SELECTED CHARACTERISTICS OF TRANSFER VS NON-TRANSFER GRADUATES

Variables	Transfer Students				Non-Transfer Students			
	N	$\bar{X}$	Range	S.D.	N	X	Range	S.D.
GPA	105	2.65	2.00-3.62	.41	382	2.62	2.00-3.82	.42
ACT	23	11.22	6-18	2.68	296	11.76	3-23	3.45
NTE Area	65	438.26	370-590	66.62	191	441.50	290-620	61.45
NTE Common	69	386.10	284-549	57.75	201	382.36	212-572	65.49
NTE Composite	64	830.31	604-1059	109.65	190	825.93	630-1164	110.24
Reg. Sem. Comp. at A.S.U.	105	4.80	3-8	1.15	382	7.93	4-12	1.10
Total Hours	105	147.02	125-184	N/A	382	141.65	122-165	11.69
Hours at Previous Sch.	105	61.43	5-84	15.26	0	0		0
Sum. Sess. Comp. at A.S.U.	86	2.43	1-6	1.04	317	3.34	1-8	1.73
Sum. Hrs. at A.S.U.	86	13.41	3-34	6.20	317	19.61	3-50	10.37
Hrs. Comp. at A.S.U.	105	85.60	45-140	18.71	382	141.65	123-165	11.69

Note: There is a difference existing between total hours of transfer and non-transfer students and a similar percentage of both groups attend summer sessions.

TABLE IV

T SCORES OF SELECTED CHARACTERISTICS
BY MAJORS

	ACT		NTE Area			NTE Common			NTE Comp.		
	N	$\bar{X}$	T-Score	N	$\bar{X}$	T-Score	N	$\bar{X}$	T-Score	N	$\bar{X}$	T-Score
Agriculture	24	10.33	32.14	15	437.90	26.98	29	353.03	22.96	14	806.71	17.80
Biology	14	13.29	37.65	6	498.33	27.61	7	436.29	26.78	6	926.50	25.73
Business Admin.	33	13.24	37.56		N/A			N/A			N/A	
Business Educa.	16	12.00	35.25	28	503.57	35.21	28	402.36	33.10	27	905.85	33.39
Chemistry	10	15.20	41.21	2	420.00	18.97	2	360.00	7.14	2	780.00	10.39
Elementary Educa.	56	9.93	31.40	75	417.60	22.71	75	372.86	23.15	75	792.74	21.96
English	21	12.43	36.05	16	433.12	27.88	16	435.12	23.88	16	867.94	24.65
Health & Phy. Ed.	24	10.67	32.77	31	431.61	27.64	31	349.29	21.66	31	779.90	26.62
Home Economics	7	12.00	35.25		N/A			N/A			N/A	
Home Economics Ed.	19	11.90	35.07	26	433.12	23.71	26	435.12	32.48	27	867.94	27.43
Industrial Arts	11	11.45	34.23	7	462.14	30.42	6	371.83	29.87	6	845.33	29.89
Mathematics	5	14.00	38.98	3	466.67	29.06	3	386.00	18.75	3	852.67	21.49
Music	6	12.67	36.50	4	400.00	23.88	4	380.75	24.67	4	780.75	22.84
Political Science	13	15.15	41.11		N/A			N/A			N/A	
Social Science	17	11.41	34.15	17	453.71	29.59	17	391.29	24.10	17	845.00	25.81
Sociology/S.W.	14	10.86	33.13		N/A			N/A			N/A	
Special Educa.	17	11.24	33.84	24	413.75	26.98	24	393.75	25.63	24	811.67	25.07
Technical Educa.	4	10.00	31.53		N/A			N/A			N/A	

Note: This table shows the T-score of selected characteristics. A T-score is a standard score having a mean of 50 and a standard deviation of 10. Therefore, a T-score of 40 is equal to a score one standard deviation below the mean of the norm group and equivalent to the 15th percentile. Transforming scores to T-scores allows direct comparisons; i.e., a T-score of X is the same for any test.

In the above cases ACT T-scores were obtained using a mean of 19.92 and a standard deviation of 5.37. These figures represent the scores of a national sample of students who completed the first semester of their freshman year. NTE T-scores were obtained using the national norms of the respective majors.

TABLE V

SELECTED CHARACTERISTICS OF AGRICULTURE MAJORS

Variables	All Students			Agriculture			
	N	X	S.D.	N	X	Range	S.D.
GPA	489	2.63	.43	39	2.51	2.06-3.04	.27
ACT	319	11.72	3.40	24	10.33	3-17	3.42
NTE Area	256	440.67	62.69	15	437.80	347-480	35.43
NTE Common	270	383.31	63.51	29	353.03	212-441	47.75
NTE Composite	254	827.02	109.89	14	806.71	693-889	55.32
Reg. Sem. Comp.	489	7.08	1.63	39	7.13	3-10	1.78
Total Sem. Hrs. Comp.	489	142.71	N/A	39	145.90	126-174	8.20
Hrs. at Previous Sch.	105	61.43	15.26	7	66.29	50-76	8.32
Summer Sess. Comp.	403	3.15	1.65	29	3.28	1-8	1.79
Summer Hrs. Comp.	403	18.29	18.29	29	19.76	4-45	11.16

TABLE VI

SELECTED CHARACTERISTICS OF
BIOLOGY MAJORS

Variables	All Students			Biology			
	N	$\bar{X}$	S.D.	N	$\bar{X}$	Range	S.D.
GPA	489	2.65	.42	16	2.72	2.0-3.7	.46
ACT	319	11.72	3.40	14	13.29	9-18	2.95
NTE Area	256	440.67	62.69	6	498.33	430-620	70.83
NTE Common	270	383.31	63.51	7	436.29	359-544	64.64
NTE Composite	254	827.02	109.89	6	926.50	843-1164	131.44
Reg. Sem. Comp.	489	7.08	1.63	16	7.5	5-11	1.46
Total Sem. Hrs. Comp.	489	142.71	N/A	16	145.44	132-186	12.61
Hrs. at Previous Sch.	105	61.43	15.26		N/A		
Summer Sess. Comp.	403	3.15	1.65	16	4.00	1-8	1.93
Summer Hrs. Comp.	403	18.29	9.95	16	24.69	7-50	13.44

TABLE VII

SELECTED CHARACTERISTICS OF BUSINESS ADMINISTRATION

Variables	All Students			Business Administration			
	N	$\bar{X}$	S.D.	N	$\bar{X}$	Range	S.D.
GPA	489	2.63	.42	52	2.55	2.00-3.62	.43
ACT	319	11.72	3.40	33	13.24	6-20	3.50
NTE Area	256	440.67	62.69		N/A		
NTE Common	270	383.31	63.51		N/A		
NTE Composite	254	827.02	109.89		N/A		
Reg. Sem. Comp.	489	7.08	1.63	52	6.94	3-10	1.64
Total Sem. Hrs. Comp.	489	142.71	N/A	52	137.77	125-157	12.28
Hrs. at Previous Sch.	105	61.43	15.26	7	60.00	34-74	14.50
Summer Sess. Comp.	403	3.15	1.65	46	3.02	1-8	1.74
Summer Hrs. Comp.	403	18.29	9.95	46	17.35	3-45	10.49

TABLE VIII

SELECTED CHARACTERISTICS OF
BUSINESS EDUCATION MAJORS

Variables	All Students			Business Education			
	N	$\bar{X}$	S.D.	N	$\bar{X}$	Range	S.D.
GPA	489	2.63	.42	29	2.74	2 - 3.5	.47
ACT	319	11.72	3.40	16	12.00	5-20	3.86
NTE Area	256	440.67	62.69	28	503.57	400-610	55.32
NTE Common	270	383.31	63.51	28	402.36	298-529	58.66
NTE Composite	254	827.02	109.89	27	905.85	728-1139	108.97
Reg. Sem. Comp.	489	7.08	1.63	29	6.69	4-11	1.79
Total Sem. Hrs. Comp.	489	142.71	N/A	29	149.96	134-181	11.76
Hrs. at Previous Sch.	105	61.43	15.26	11	64.64	49-76	8.19
Summer Sess. Comp.	403	3.15	1.65	26	3.88	1-8	1.82
Summer Hrs. Comp.	403	18.29	9.95	26	22.92	6-43	11.19

TABLE IX

SELECTED CHARACTERISTICS OF CHEMISTRY MAJORS

Variables	All Students			Chemistry			
	N	$\bar{X}$	S.D.	N	$\bar{X}$	Range	S.D.
GPA	489	2.63	.42	11	2.94	2.33-3.82	.42
ACT	319	11.72	3.40	10	15.20	10-23	4.59
NTE Area	256	440.67	62.69	2	420.00	420-420	0
NTE Common	270	383.31	63.51	2	360.00	334-386	36.77
NTE Composite	254	827.02	109.89	2	780.00	754-806	36.77
Reg. Sem. Comp.	489	7.08	1.63	11	7.73	6-9	.90
Total Sem. Hrs. Comp.	489	142.71	N/A	11	139.64	124-150	8.90
Hrs. at Previous Sch.	105	61.43	15.26		N/A		
Summer Sess. Comp.	403	3.15	1.65	8	3.63	2-6	1.19
Summer Hrs. Comp.	403	18.29	9.95	8	21.13	10-33	6.75

TABLE X

SELECTED CHARACTERISTICS OF ELEMENTARY EDUCATION MAJORS

Variables	All Students			Elementary Education			
	N	$\bar{X}$	S.D.	N	$\bar{X}$	Range	S.D.
GPA	489	2.63	.42	87	2.47	2.00-3.74	.38
ACT	319	11.72	3.40	56	9.93	4-19	3.13
NTE Area	256	440.67	62.69	75	417.60	290-550	58.93
NTE Common	270	383.31	63.51	75	372.86	258-568	60.72
NTE Composite	254	827.02	109.89	75	792.74	604-1059	101.48
Reg. Sem. Comp.	489	7.08	1.63	87	6.84	3-12	1.61
Total Sem. Hrs. Comp.	489	142.71	N/A	87	140.04	119-174	10.09
Hrs. at Previous Sch.	105	61.43	15.26	24	57.29	12-74	17.60
Summer Sess. Comp.	403	3.15	1.65	78	2.94	1-6	1.43
Summer Hrs. Comp.	403	18.29	9.95	78	16.92	3-36	8.54

TABLE XI

SELECTED CHARACTERISTICS OF
ENGLISH MAJORS

Variables	All Students			English			
	N	X	S.D.	N	X	Range	S.D.
GPA	489	2.63	.42	27	2.77	2.07-3.43	.43
ACT	319	11.72	3.40	21	12.43	8-18	2.82
NTE Area	256	440.67	62.69	16	433.12	370-540	50.43
NTE Common	270	383.31	63.51	16	435.12	365-572	61.71
NTE Composite	254	827.02	109.89	16	867.94	748-1112	107.56
Reg. Sem. Comp.	489	7.08	1.63	27	7.33	5-10	1.27
Total Sem. Hrs. Comp.	489	142.71	N/A	27	141.81	129-165	9.77
Hrs. at Previous Sch.	105	61.43	15.26	4	56.75	15-68	21.19
Summer Sess. Comp.	403	3.15	1.65	24	3.21	1-8	1.82
Summer Hrs. Comp.	403	18.29	9.95	24	18.37	6-41	10.21

TABLE XII

SELECTED CHARACTERISTICS OF
HEALTH & PHYSICAL EDUCATION MAJORS

Variables	All Students			Health & Physical Educa.			
	N	$\bar{X}$	S.D.	N	$\bar{X}$	Range	S.D.
GPA	489	2.63	.42	44	2.43	2.00-3.39	.34
ACT	319	11.72	3.40	24	10.67	7-15	2.56
NTE Area	356	440.67	62.69	31	431.61	320-500	53.61
NTE Common	270	383.31	63.51	31	348.29	260-491	58.24
NTE Composite	254	827.02	109.89	31	779.90	645-971	98.98
Reg. Sem. Comp.	489	7.08	1.63	44	7.79	4-11	1.68
Total Sem. Hrs. Comp.	489	142.71	N/A	44	142.14	127-159	8.15
Hrs. at Previous Sch.	105	61.43	15.26	7	64.00	15-84	22.80
Summer Sess. Comp.	403	3.15	1.65	31	3.06	1-7	1.71
Summer Hrs. Comp.	403	18.29	9.95	31	17.77	3-42	10.47

TABLE XIII

SELECTED CHARACTERISTICS OF
HOME ECONOMICS EDUCATION MAJORS

Variables	All Students			Home Economics Education			
	N	$\bar{X}$	S.D.	N	$\bar{X}$	Range	S.D.
GPA	489	2.63	.42	28	2.88	2.24-3.6	.39
ACT	319	11.72	3.40	19	11.90	8-19	2.83
NTE Area	256	440.67	62.69	26	460.00	330-580	65.60
NTE Common	270	383.31	63.51	26	410.46	326-526	48.79
NTE Composite	255	827.02	109.89	27	867.37	696-1076	104.32
Reg. Sem. Comp.	489	7.08	1.63	28	7.32	5-9	1.02
Total Sem. Hrs. Comp.	489	142.71	N/A	28	142.75	128-184	11.42
Hrs. at Previous Sch.	105	61.43	15.26	8	57.50	34-70	15.12
Summer Sess. Comp.	403	3.15	1.65	20	2.70	1-5	.98
Summer Hrs. Comp.	403	18.29	9.95	20	15.95	6-24	5.00

TABLE XIV

SELECTED CHARACTERISTICS OF HOME ECONOMICS MAJORS

Variables	All Students			Home Economics			
	N	$\bar{X}$	S.D.	N	$\bar{X}$	Range	S.D.
GPA	489	2.63	.42	11	2.53	2.04-3.26	.40
ACT	319	11.72	3.40	7	12.00	8-17	3.37
NTE Area	256	440.67	62.69		N/A		
NTE Common	270	383.31	63.51		N/A		
NTE Composite	254	827.02	109.89		N/A		
Reg. Sem. Comp.	489	7.08	1.63	11	7.27	6-8	.79
Total Sem. Hrs. Comp.	489	142.71	N/A	11	137.00	133-156	8.53
Hrs. at Previous Sch.	105	61.43	15.26		N/A		
Summer Sess. Comp.	403	3.15	1.65	10	3.00	1-6	1.56
Summer Hrs. Comp.	403	18.29	9.95	10	17.2	6-37	9.44

TABLE XV

SELECTED CHARACTERISTICS OF INDUSTRIAL ARTS MAJORS

Variables	All Students			Industrial Arts			
	N	X	S.D.	N	$\bar{X}$	Range	S.D.
GPA	489	2.63	.43	13	2.34	2.01-2.94	.30
ACT	319	11.72	3.40	11	11.45	9-16	2.34
NTE Area	256	440.67	62.69	7	462.14	395-500	35.10
NTE Common	270	383.31	63.51	6	371.83	293-438	70.68
NTE Composite	254	827.02	109.89	6	845.33	759-988	84.69
Reg. Sem. Comp.	489	7.08	1.63	13	8.38	4-11	1.85
Total Sem. Hrs. Comp.	489	142.71	N/A	13	145.46	131-185	14.62
Hrs. at Previous Sch.	105	61.43	15.26		N/A	N/A	
Summer Sess. Comp.	403	3.15	1.65	10	2.60	1-5	1.43
Summer Hrs. Comp.	403	18.29	18.29	10	14.60	4-29	8.68

TABLE XVI

SELECTED CHARACTERISTICS OF
MATHEMATICS MAJORS

Variables	All Students			Mathematics			
	N	$\bar{X}$	S.D.	N	$\bar{X}$	Range	S.D.
GPA	489	2.63	.42	9	3.02	2.28-3.60	.43
ACT	319	11.72	3.40	5	14.00	9-22	4.95
NTE Area	256	440.67	62.69	3	466.67	420-530	56.86
NTE Common	270	383.31	63.51	3	386.00	334-483	84.08
NTE Composite	254	827.02	109.89	3	852.67	754-1013	140.08
Reg. Sem. Comp.	489	7.08	1.63	9	6.11	4-9	2.09
Total Sem. Hrs. Comp.	489	142.71	N/A	9	138.56	122-177	10.20
Hrs. at Previous Sch.	105	61.43	15.26	3	71.33	68-76	4.16
Summer Sess. Comp.	403	3.15	1.65	8	3.13	2-6	1.46
Summer Hrs. Comp.	403	18.29	9.95	8	19.38	9-40	10.35

TABLE XVII

SELECTED CHARACTERISTICS OF
MUSIC MAJORS

Variables	All Students			Music			
	N	$\bar{X}$	S.D.	N	$\bar{X}$	Range	S.D.
GPA	489	2.63	.42	7	2.69	2.3-3.31	.34
ACT	319	11.72	3.40	6	12.67	10-18	2.80
NTE Area	256	440.67	62.69	4	400.00	370-470	46.90
NTE Common	270	383.31	63.51	4	380.75	318-450	60.92
NTE Composite	254	837.02	109.89	4	780.75	698-920	101.58
Reg. Sem. Comp.	489	7.08	1.63	7	8.29	8-9	.76
Total Sem. Hrs. Comp.	489	142.71	N/A	7	147.57	132-156	8.90
Hrs. at Previous Sch.	105	61.43	15.26		N/A		
Summer Sess. Comp.	403	3.15	1.65	6	3.33	2-5	1.20
Summer Hrs. Comp.	403	18.29	9.95	6	19.67	10-29	7.39

TABLE XVIII

SELECTED CHARACTERISTICS OF
POLITICAL SCIENCE MAJORS

Variables	All Students			Political Science			
	N	X	S.D.	N	$\bar{X}$	Range	S.D.
GPA	489	2.63	.42	17	2.99	2.42-3.73	.41
ACT	319	11.72	3.40	13	15.15	11-20	3.02
NTE Area	256	440.67	62.69		N/A		
NTE Common	270	383.31	63.51		N/A		
NTE Composite	254	827.02	109.89		N/A		
Reg. Sem. Comp.	489	7.08	1.63	17	6.71	4-8	1.45
Total Sem. Hrs. Comp.	489	142.71	N/A	17	143.06	127-157	7.23
Hrs. at Previous Sch.	105	61.43	15.26	3	41.33	5-64	31.79
Summer Sess. Comp.	403	3.15	1.65	13	3.92	1-8	2.25
Summer Hrs. Comp.	403	18.29	9.95	13	22.69	6-45	12.93

TABLE XIX

SELECTED CHARACTERISTICS OF
SOCIAL SCIENCE MAJORS

Variables	All Students			Social Science Ed.			
	N	$\bar{X}$	S.D.	N	$\bar{X}$	Range	S.D.
GPA	489	2.63	.42	23	2.63	2.04-3.56	.37
ACT	319	11.72	3.40	17	11.41	4.00-15	3.02
NTE Area	256	440.67	62.69	17	453.71	370-553	50.98
NTE Common	270	383.31	63.51	17	391.29	245-505	74.54
NTE Composite	254	827.02	109.89	17	845.00	658-1030	102.88
Reg. Sem. Comp.	489	7.08	1.63	23	7.09	4-10	1.65
Total Sem. Hrs. Comp.	489	142.71	N/A	23	151.47	136-170	10.81
Hrs. at Previous Sch.	105	61.43	15.26	7	63.43	38-80	15.66
Summer Sess. Comp.	403	3.15	1.65	21	2.76	1-6	1.61
Summer Hrs. Comp.	403	18.29	9.95	21	15.24	3-36	9.05

TABLE XX

SELECTED CHARACTERISTICS OF
SOCIOLOGY/SOCIAL WELFARE MAJORS

Variables	All Students			Sociology/Social Welfare			
	N	$\bar{X}$	S.D.	N	$\bar{X}$	Range	S.D
GPA	489	2.63	.42	29	2.65	2.00-3.4	.33
ACT	319	11.72	3.40	14	10.86	8-14	1.96
NTE Area	256	440.67	62.69		N/A		
NTE Common	270	383.31	63.51		N/A		
NTE Composite	254	827.02	109.89		N/A		
Reg. Sem. Comp.	489	7.08	1.63	29	7.03	4-10	1.50
Total Sem. Hrs. Comp.	489	142.71	N/A	29	145.68	130-179	9.85
Hrs. at Previous Sch.	105	61.43	15.26	7	62.43	35-68	12.19
Summer Sess. Comp.	403	3.15	1.65	20	3.05	1-6	1.61
Summer Hrs. Comp.	403	18.29	9.95	20	16.75	3-35	8.83

TABLE XXI

SELECTED CHARACTERISTICS OF
SPECIAL EDUCATION
MAJORS

Variables	All Students			Special Education			
	N	$\bar{X}$	S.D.	N	$\bar{X}$	Range	S.D.
GPA	489	2.63	.42	25	2.83	2.16-3.62	.46
ACT	319	11.72	3.40	17	11.24	6-19	2.93
NTE Area	256	440.67	62.69	24	413.75	270-520	65.00
NTE Common	270	383.31	63.51	24	393.75	294-525	64.22
NTE Composite	254	827.02	109.89	24	811.67	634-1045	116.07
Reg. Sem. Comp.	489	7.08	1.63	25	5.88	4-8	1.72
Total Sem. Hrs. Comp.	489	142.71	N/A	25	143.28	127-157	7.14
Hrs. at Previous Sch.	105	61.43	15.26	12	62.75	34-72	10.70
Summer Sess. Comp.	403	3.15	1.65	23	3.09	1-6	1.78
Summer Hrs. Comp.	403	18.29	9.95	23	17.74	6-36	10.39

TABLE XXII

SELECTED CHARACTERISTICS OF
TECHNICAL EDUCATION MAJORS

Variables	All Students			Technical Education			
	N	X	S.D.	N	X	Range	S.D.
GPA	489	2.63	.43	8	2.56	2.11-2.96	.27
ACT	319	11.72	3.40	4	10.00	7-15	3.08
NTE Area	256	440.67	62.69		N/A		
NTE Common	270	383.31	63.51		N/A		
NTE Composite	254	827.02	109.89		N/A		
Reg. Sem. Comp.	489	7.08	1.63	8	6.5	4-9	1.80
Total Sem. Hrs. Comp.	489	142.71	N/A	8	137.63	? -148	5.80
Hrs. at Previous Sch.	105	61.43	15.26	2	74.00	73-75	1.41
Summer Sess. Comp.	403	3.15	1.65	6	3.00	2-6	1.67
Summer Hrs. Comp.	403	18.29	18.29	6	18.17	9-35	10.44

TABLE XXIII

DISTRIBUTION OF NTE COMMON SCORES FOR VARIOUS ACT SCORE INTERVAL

ACT Intervals	Interval N	Interval N/% Above 450	Cumulative N	Cumulative N/% Above 450
19	3	3/100%	3	3/100%
17 & 18	6	4/67%	9	7/78%
15 & 16	7	5/71%	16	12/75%
13 & 14	27	13/48%	43	25/58%
11 & 12	55	16/29%	98	41/42%
9 & 10	52	10/19%	160	51/32%
7 & 8	19	3/16%	179	54/30%
5 & 6	3	0/0%	182	54/30%
3 & 4	4	0/0%	186	54/29%
1 & 2	1	0/0%	187	54/29%

TABLE XXIV

DISTRIBUTION OF NIE AREA SCORES FOR VARIOUS ACT SCORE INTERVALS

ACT Interval	Interval N	Interval N/% Above 450	Cumulative N	Cumulative N/% Above 450
19 +	3	3/100%	3	3/100%
17 & 18	6	3/50%	9	6/67%
15 & 16	7	6/86%	16	12/75%
13 & 14	25	18/72%	41	30/73%
11 & 12	54	21/39%	95	51/54%
9 & 10	49	11/22%	144	62/43%
7 & 8	16	4/25%	160	66/41%
5 & 6	3	1/33%	163	67/41%
3 & 4	4	1/25%	167	68/41%
1 & 2	1	0/0%	168	68/40%

TABLE XXV

DISTRIBUTION OF NTE COMPOSITE SCORES FOR VARIOUS ACT SCORE INTERVALS

ACT Interval	N	Interval N/% Above 850	N	Cumulative N/% Above 850
19 & Above	3	3/100%	3	3/100%
17 & 18	6	4/67%	9	7/78%
15 & 16	7	5/71%	16	12/75%
13 & 14	24	14/58%	40	26/65%
11 & 12	53	15/28%	93	41/44%
9 & 10	48	7/15%	141	48/34%
7 & 8	16	2/13%	157	50/32%
5 & 6	4	1/26%	161	51/32%
3 & 4	4	0/0%	165	51/31%
1 & 2	1	0/0%	166	51/31%

TABLE XXVI

DISTRIBUTION OF NTE COMMON SCORES FOR VARIOUS GPA INTERVALS

GPA Intervals	N Of Interval	N/% Above 450	Cumulative N	Cumulative N/% 450 +
3.60 & Above	1	1/100%	1	1/100%
3.40 - 3.59	7	7/100%	8	8/100%
3.20 - 3.39	19	14/74%	27	22/81%
3.00 - 3.19	14	12/86%	41	34/83%
2.80 - 2.99	34	12/35%	75	46/61%
2.60 - 2.79	34	12/35%	109	58/53%
2.40 - 2.59	58	14/24%	167	72/43%
2.20 - 2.39	35	5/14%	202	77/38%
2.00 - 2.19	68	6/9%	270	83/31%

TABLE XXVII

DISTRIBUTION OF NTE AREA SCORES FOR VARIOUS GPA INTERVALS

GPA Interval	N	Interval N/% Above 450	Cumulative N	Cumulative N/% 450 +
3.60 & Above	1	1/100%	1	1/100%
3.40 - 3.59	7	6/86%	8	7/88%
3.20 - 3.39	19	12/63%	27	19/70%
3.00 - 3.19	14	12/86%	41	31/76%
2.80 - 2.99	32	12/38%	73	43/59%
2.60 - 2.79	33	21/64%	106	64/60%
2.40 - 2.59	50	17/34%	156	81/52%
2.20 - 2.39	33	13/39%	189	94/50%
2.00 - 2.19	67	11/16%	256	105/41%

TABLE XXVIII

DISTRIBUTION OF NTE COMPOSITE SCORES FOR VARIOUS GPA INTERVALS

GPA Score Interval	Interval N	Interval N/% Above 850	Cumulative N	Cumulative N/% Above 850
3.60 & Above	1	1/100%	1	1/100%
3.40 - 3.59	7	6/86%	8	7/88%
3.20 - 3.39	19	15/79%	27	22/82%
3.00 - 3.19	14	12/86%	41	34/83%
2.80 - 2.99	31	11/35%	72	45/63%
2.60 - 2.79	32	15/47%	104	60/58%
2.40 - 2.59	51	13/25%	155	73/47%
2.20 - 2.39	34	5/15%	189	78/41%
2.00 - 2.19	65	5/8%	254	83/33%

TABLE XXIX

DISTRIBUTION OF GPAs FOR
VARIOUS ACT SCORE INTERVALS

ACT Interval	N	Interval N/% Above 2.60	N	Cumulative N/% Above 2.60
23 +	1	1/100%	1	1/100%
21 & 22	1	1/100%	2	2/100%
19 & 20	10	7/70%	12	9/75%
17 & 18	23	18/78%	35	27/77%
15 & 16	23	12/52%	58	39/67%
13 & 14	54	30/56%	112	69/62%
11 & 12	87	37/43%	199	106/53%
9 & 10	76	19/25%	275	125/54%
7 & 8	31	9/29%	306	134/44%
5 & 6	8	4/50%	314	138/44%
3 & 4	4	1/25%	318	139/44%
1 & 2	1	0/0%	319	139/44%

TABLE XXX

CORRELATION COEFFICIENTS BETWEEN
SELECTED CHARACTERISTICS OF ALL GRADUATES

ACT - GPA	r = .38997	N = 319
ACT - NTE Area	r = .38647	N = 168
ACT - NTE Common	r = .42218	N = 177
ACT - NTE Composite	r = .46882	N = 166
GPA - NTE Area	r = .48335	N = 256
GPA - NTE Common	r = .58749	N = 270
GPA - NTE Composite	r = .61819	N = 254
GPA - Semester Hours Completed	r = -.11015	N = 488
GPA - Semesters Completed	r = -.22859	N = 488

Note: All significant at the .01 level of confidence.

MINIMUM CREDIT REQUIREMENTS
1975-1976

	Sems. Hrs
I. Division of Agriculture and Applied Science	
1. Agriculture Education	135
2. Agronomy	134
3. Animal Science	132
4. General Agriculture	130
5. General Home Economics	132
6. Home Economics Education	134
7. Industrial Arts	132
8. Technical Education	136

II. Division of Arts and Sciences

	Teaching	Pre-professional
1. Biology	137	135
		Non-Teaching
2. Chemistry	132	124
3. Mathematics	124	124
4. English	124	124
5. History		136
6. Political Science		136
7. Social Science Education		142
8. Sociology and Social Services		139
9. Speech Education		
		139
		127
		127
		136
		128
		130
		130
		135

TABLE XXXII

Age

Age	Frequency	Percentage
19	1	0
20	4	1
21	52	11
22	186	38
23	127	26
24	52	11
25	24	5
26	17	3
27	11	2
28	3	1
29	5	1
30+	8	1

Note: Data collected by year only.

TABLE XXXIII

YEAR OF ENROLLMENT
1975 GRADUATING CLASS

Year	Year of Original College Student Enrollment	Year of Transfer Initial College Enrollment	Year Transferred To Original College
1960 & Before	2		
1964		1	
1965		2	
1966	4	1	1
1967	8	6	1
1968	6	2	1
1969	12	13	5
1970	80	30	4
1971	225	47	16
1972	44	1	32
1973	6		41
1974	0		1
1975	0		1
TOTAL	387	103	103

79% of the graduates initial college enrollment was at the original college.
21% of the graduates initial college enrollment was at another school.

87% of the original college graduates enrolled at the original college during or prior to 1971.
13% of the original college graduates enrolled at the original college after 1971.

99% of the transfer graduates transferred to the original college during or prior to 1973.
1% of the transfer graduates transferred to the original college after 1973.

CONCLUSIONS

There appears to be some obvious conclusions that may be drawn from the data presented in this report. (1) Students with higher ACT scores tend to achieve higher GPAs. (2) Students with higher GPAs tend to achieve higher NTE scores. (3) The mean number of hours for graduation appears to be high in some areas. (4) A high percentage (82%) of the graduates attended one or more summer school sessions. (5) Transfer students tend to take more hours. (6) Most departmental minimum hourly requirements exceed the institutional minimum of 124.

One initial goal could be to raise the NTE scores enough to insure that a majority of the students receive scores above the present state minimum of 850. This is in essence striving for a modest goal when one considers that an NTE score of 850 is at the 4 percentile nationally. If our students are to become competative on standardized measures of achievement a total commitment must be made beginning at the freshman level. One or more of the following methods could possibly assist in achieving a goal of higher NTE scores: (1) select students for admission with ACT scores which indicate they are academically superior students; (2) insure the criteria for receiving grades is raised; (3) implementation of criterion based instruction; (4) standardized testing usage increased to insure familiarity with this type of testing; and (5) in-service education of the faculty members for awareness of the problems that exist. Method number one is apparently inconsistent with the philosophy of the school; therefore,

it would appear that one or more of the other methods would be worthy of consideration.

ACT scores, while often times interpreted to be indictative of potential, are probably a more accurate reflection of past achievments. The same can also be said about NTE scores. It appears from the data presented here that the college enrolls a significant number of students whose academic background is weak. With the exception ot the receipt of a college degree the student's ability (that's measured by standardized tests) to compete after four years is little changed. This becomes particularly critical when the NTE minimum requirement of 850 is required for state certification. Sometime in the future court actions may render that this NTE requirement as invalid. However, the fact remains that directly or indirectly a large number of persons responsible for hiring teachers will consider the NTE strongly when they are interviewing applicants.